



STATE OF CALIFORNIA
Department of Forestry and Fire Protection
EXAMINATION ANNOUNCEMENT
RESEARCH PROGRAM SPECIALIST II (FIRE AND FUELS)
OPEN
SPOT FOR: SACRAMENTO COUNTY



CALIFORNIA STATE GOVERNMENT - AN EQUAL OPPORTUNITY EMPLOYER - EQUAL OPPORTUNITY TO ALL REGARDLESS OF RACE, COLOR, CREED, NATIONAL ORIGIN, ANCESTRY, SEX, MARITAL STATUS, DISABILITY, RELIGIOUS OR POLITICAL AFFILIATION, AGE, OR SEXUAL ORIENTATION.

LQ74-5836

OFS7202

IT IS AN OBJECTIVE OF THE STATE OF CALIFORNIA TO ACHIEVE A DRUG-FREE STATE WORKPLACE. ANY APPLICANT FOR STATE EMPLOYMENT WILL BE EXPECTED TO BEHAVE IN ACCORDANCE WITH THIS OBJECTIVE, BECAUSE THE USE OF ILLEGAL DRUGS IS INCONSISTENT WITH THE LAW OF THE STATE, THE RULES GOVERNING CIVIL SERVICE, AND THE SPECIAL TRUST PLACED IN PUBLIC SERVANTS.

DEPARTMENTAL FOR	Department of Forestry and Fire Protection
WHO SHOULD APPLY	Applicants who meet the minimum qualifications. This is an open examination. Applications will NOT be accepted on a promotional basis.
HOW TO APPLY	Examination Applications STD 678 must be filed with the Department of Forestry and Fire Protection by mail to P.O. Box 944246, Sacramento, California 94244-2460, attention Examination Unit, or in person at 1416 Ninth Street, Room 1525, Sacramento, California.
CROSS FILING INFORMATION	If you meet the entrance requirements for this class and/or Research Program Specialist I (Fire and Fuels), scheduled on the same day, you may file for one or more examinations on a single application. Put the title(s) of each examination(s) you wish to take on the application.
FINAL FILING DATE	Applications must be postmarked no later than July 27, 2000 . Applications postmarked after the final filing date will not be accepted for any reason.
EXAMINATION DATES	Qualifications Appraisal: It is anticipated that interviews will be held during October/November, 2000 .
SALARY RANGE	\$4542 - \$5520
SPECIAL TESTING ARRANGEMENTS	If you have a disability and need special testing arrangements, mark the appropriate box in Part 2 of the application. You will be contacted to make specific arrangements.
ELIGIBLE LIST INFORMATION	A departmental eligible list will be established for the Department of Forestry and Fire Protection. The list will be abolished 24 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.
REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION	<p>All applicants must meet the education and/or experience requirements for this examination by July 27, 2000, the final filing date.</p> <p>NOTE: Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.</p> <p>All applications/resumes must include "from" and "to" employment dates (month/day/year), time base, and applicable civil service class titles. Applications/resumes received without this information will be rejected.</p>
MINIMUM QUALIFICATIONS	Qualifying experience may be combined on a proportionate basis if the requirements stated include more than one pattern and are distinguished as " Either " I " Or " II, " Or " III, etc. For example, candidates possessing qualifying experience amounting to 50% of the required time of Pattern I, and additional experience amounting to 50% of the required time of Pattern II, may be admitted to the examination as meeting 100% of the overall experience requirement.

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**Research Program Specialist II
(Fire and Fuels)
(Cont'd.)**

**MINIMUM
QUALIFICATIONS
(Cont'd.)**

Experience and education which provide ability to independently and successfully direct and perform complex research in the fields of wildland fuels and fire.

**and
"Either" I**

Experience: One year in the California state service performing research duties related to fire behavior and fuels classification at a level of responsibility equivalent to that of a Research Program Specialist I.

"Or" II

Experience: Four years of progressively responsible technical research experience above the trainee level engaged in the collection, compilation, analysis, and interpretation of forest resource data, including remotely-sensed data, with emphasis on wildland fuels and fire. (A doctoral degree in a forestry, range, or related research-oriented field may be substituted for two years of the required experience. A master's degree in one of the above fields may be substituted for one year of the required experience.) (Experience in the California state service applied toward this requirement must include one year of experience in a class at a level of responsibility equivalent to a Research Program Specialist I.)

and

Education: Graduation from college with any major but with extensive course work in a forestry, range, or related research-oriented field. This education must include a combined total of at least six semester hours in statistics and/or data processing.

**SPECIAL PERSONAL
REQUIREMENTS**

Demonstrated ability to act independently; take initiative; be flexible and tactful.

POSITION DESCRIPTION

Research Program Specialists II (Fire and Fuels) are required to serve as principal staff resource persons possessing knowledge in the areas of wildland fuels, fire behavior, and the interaction of fire with other forest values; utilize and manipulate remotely-sensed data to perform resource assessment; design and test complex forest information systems to provide data for policy analysis; advise department executives on the relevance, contributions, and implications of research programs related to wildfire within state and federal governments, the university, and private organizations; develop and implement enhancements to the department's decision-support systems in order to monitor the state's fire environment and to guide departmental investments in the public interest; and to work cooperatively with other agencies and professionals concerned with fire information systems and advanced mapping techniques.

**EXAMINATION
INFORMATION**

This examination will consist of a qualifications appraisal interview weighted 100%. In order to obtain a position on the eligible list, a minimum rating of 70% must be attained. **COMPETITORS WHO DO NOT APPEAR FOR THE INTERVIEW WILL BE DISQUALIFIED.**

**QUALIFICATIONS
APPRAISAL INTERVIEW
(Weighted 100%)**

A. Knowledge of:

1. Wildland fuels and fire behavior and the interaction of fire with other forest values (e.g., timber, recreation, wilderness, wildlife, etc.).
2. Land management practices (particularly manipulation of vegetation for hazard mitigation or fire control).
3. Statistical methods, procedures, and data processing techniques.
4. Principles and procedures of forecasting and of research planning, design, methodology, and analysis.

B. Ability to:

1. Identify wildland fuels, fire behavior, and fire effects information needs and assess adequacy of existing data to meet these needs.
2. Design inventory procedures for the collection of data needed to assess the status, condition, and trends of wildland fuels, fire behavior, and fire effects within the state.
3. Design and test complex forest resource information systems for wildland fire policy analysis.
4. Collaborate with staff engaged in the analysis of remotely-sensed data into vegetative cover classes and the delineation of wildland fuels.
5. Develop methods for the integration of disparate data into a geographic information storage and retrieval system capable of being incorporated with an interactive multiresource trade-off model.

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**Research Program Specialist II
(Fire and Fuels)
(Cont'd.)**

**QUALIFICATIONS
APPRAISAL INTERVIEW
(Weighted 100%)
(Cont'd.)**

6. Develop computer models using forest and vegetation inventory data to project changes in fuel conditions and fire behavior which will result from natural or management-induced changes in forest cover or conditions.
 7. Evaluate the relative importance of various areas of research.
 8. Evaluate the adequacy of proposed research designs and techniques.
 9. Do independent creative thinking.
 10. Work as a member of an interdisciplinary team.
 11. Provide skilled leadership in scientific research.
 12. Work cooperatively with federal and state agencies, educational institutions, and other professionals concerned with wildland fuels and fire behavior.
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**VETERANS' PREFERENCE
CREDITS**

Veterans' preference credits will be added to the final score for all competitors who are successful in this examination and who qualify for, and have requested these points. **VETERANS WHO HAVE ACHIEVED PERMANENT CIVIL SERVICE STATUS ARE NOT ELIGIBLE TO RECEIVE VETERAN'S CREDITS.**

CAREER CREDITS

Career credits are not granted in open examinations.

**CONFIDENTIALITY AND
SECURITY**

Pursuant to Government Code Sections 19680(c) and 19681(b) it is unlawful to copy and/or furnish confidential examination material for the purpose of either improving or injuring the chances of any person or to obtain examination questions or other examination material before, during or after an examination. Every person violating these provisions is guilty of a misdemeanor, and adverse action will be pursued. This may result in the person being barred from competition in future examinations, withheld from certification lists, or cancellation of eligibility for employment in state civil service.

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GENERAL INFORMATION

For an examination without a written feature it is the candidate's responsibility to contact the Examination Unit of the Department of Forestry and Fire Protection, (916) 653-5339, three weeks after the final filing date if he/she has not received a progress notice.

If a candidate's notice of written examination or oral interview fails to reach him/her prior to the day of the written test or interview due to a verified postal error, he/she will be rescheduled upon written request.

Applications are available at State Personnel Board offices, local offices of the Employment Development Department and the Department of Forestry and Fire Protection.

If you meet the requirements, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. Your performance in the examination described on this bulletin will be compared with the performance of the others who take this test, and all candidates who pass will be ranked according to their scores.

The Department of Forestry and Fire Protection reserves the right to revise the examination plan to better the needs of the service if the circumstances under which this examination was planned changed. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.

Examination Locations: Ordinarily, qualifications appraisal interviews are scheduled in Sacramento and Riverside. However, locations of interviews may be limited or extended as conditions warrant.

Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) subdivisional promotional, 2) departmental promotional, 3) multidepartmental promotional, 4) servicewide promotional, 5) departmental open, 6) open. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on this bulletin. In the case of continuous testing examinations, names are merged onto the appropriate lists in order of final test scores (except as modified by veterans' preference credits) regardless of the date of the test and the resulting eligible lists will be used only to fill vacancies in the area shown on the bulletin.

Promotional Examinations Only: Competition is limited to employees who have a permanent civil service appointment. Under certain circumstances other employees may be allowed to compete under provisions of Rules 234, 235 and 235.2. State Personnel Board Rules 233, 234, 235, 235.2 and 237 contain provisions regarding civil service status and eligibility for promotional examinations. These rules may be reviewed at departmental personnel offices or at the Information Counter of the State Personnel Board in Sacramento.

General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be required. In open examinations, investigation may be made of employment records and personal history, and fingerprinting may be required.

Interview Scope: If an interview is conducted, in addition to the scope described on this bulletin, the panel will consider education, experience, personal development, personal traits, and fitness. In appraising experience, more weight will be given to the breadth and recency of pertinent experience and evidence of the candidate's ability to accept and fulfill increasing responsibilities than to the length of his/her experience. Evaluation of a candidate's personal development will include consideration of his/her recognition of his/her own training needs; his/her plan for self-development; and the progress he/she has made in his/her efforts toward self-development.

Veterans' Preference Credits: California law allows granting of veterans' preference credits in open entrance examinations and open-nonpromotional exams. Credit in open entrance examinations is granted as follows: 10 points for veterans, widows and widowers of veterans, and spouses of 100% disabled veterans; and 15 points for disabled veterans. Credit in open-nonpromotional examinations is granted as follows: 5 points for veterans; and 10 points for disabled veterans. Directions for applying for veterans' preference credits are on the Veteran Preference Application (Form 1093) which is available from State Personnel Board offices, written test proctors, and the Department of Veterans Affairs, P.O. Box 942895, Sacramento, CA 94295-0001.

Career Credits: In open-nonpromotional examinations, career credits are granted to: 1) state employees with permanent civil service status, 2) full-time employees of the state who are exempt from state civil service pursuant to the provisions of Section 4 of Article VII of the California Constitution, and who meet all qualification requirements specified by the Board and have 12 consecutive months of service in an exempt position, and 3) individuals who have served one full year in or are graduates of the California Conservation Corps (eligibility shall expire 24 months after graduation from the California Conservation Corps). Three points are added to the final test score of those candidates who meet the above criteria, and who are successful in the examination. Such examinations cannot be for managerial positions described in Government Code Section 3513. Competitors not currently employed in state civil service who have mandatory reinstatement rights may also be eligible for career credits, but they must explain their civil service status in the appropriate section of the Examination Application form STD. 678. (Section 4 of Article VII of the California Constitution is posted at the State Personnel Board, 801 Capitol Mall, Sacramento, California.)

High School Equivalence: Equivalence to completion of the 12th grade may be demonstrated in any one of the following ways: 1) passing the General Education Development (GED) Test; 2) completion of 12 semester units of college-level work; 3) certification from the State Department of Education, a local school board, or high school authorities that the candidate is considered to have education equivalent to graduation from high school; or 4) for clerical and accounting classes, substitution of business college work in place of high school on a year-for-year basis.

TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device.

1 (800) 735-2929 (TT/TDD) 1 (800) 735-2922 (Voice)